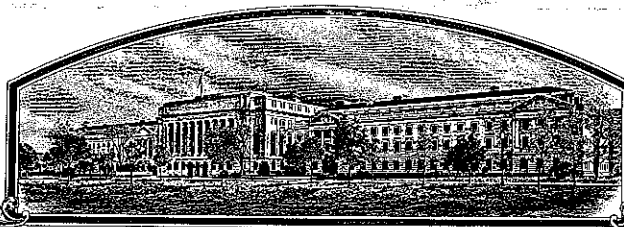


No.

9800262



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Hybri Tech Seed International, A Unit of Monsanto Company

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE SEED. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Hondo'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this thirtieth day of September, in the year of our Lord one thousand nine hundred and ninety-nine.

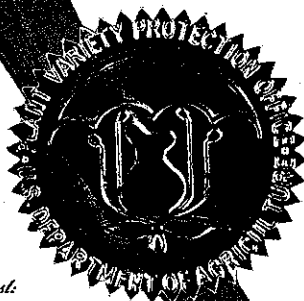
Attest:

Roll W. Schlegel

Acting Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

John G. Hildner

Secretary of Agriculture



U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the privacy Act of 1974 (5 U.S.C. 552a)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421) Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
HybriTech Seed International, a unit of Monsanto Co.		W95-210	Hondo
4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code)		5. TELEPHONE (include area code)	FOR OFFICIAL USE ONLY PVPO NUMBER
5912 N. Meridian Street Wichita, Kansas 67204-1699		316-755-1250	9800262
		6. FAX (include area code)	F I L I N G DATE
		316-755-0072	5/20/1998
7. GENUS AND SPECIES NAME	8. FAMILY NAME (Botanical)	FILING AND EXAMINATION FEE:	
Triticum aestivum	Gramineae	F E E S R E C E I V E D DATE	
9. CROP KIND NAME (common name)		240000	
Hard Red Winter Wheat		5/20/98	
10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) (common name)		CERTIFICATION FEE	
Corporation		300	
11. IF INCORPORATED, GIVE STATE OF INCORPORATION	12. DATE OF INCORPORATION	DATE	
Delaware	1933	9/15/99	
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS		14. TELEPHONE (include area code)	
Dr. Gordon Cisar 806 N. Second Street PO Box 1320 Berthoud, Colorado 80513		970-532-9840	
AND			
Mr. Robert Bruns 806 N. Second Street PO Box 30 Berthoud, Colorado 80513 970-532-3721		15. FAX (include area code)	
		970-532-2035	
16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (follow instructions on reverse)			
a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety			
b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness			
c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of the Variety			
d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety			
e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Applicant's Ownership			
f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds, or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in a public repository)			
g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to PVPO)			
17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act)			
<input checked="" type="checkbox"/> YES (if "yes", answer items 18 and 19 below) <input type="checkbox"/> NO (if "no", go to item 20)			
18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?			
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
19. IF 'YES' TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDERS SEED?			
<input checked="" type="checkbox"/> FOUNDATION <input checked="" type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED			
20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?			
<input type="checkbox"/> YES (if "YES", give names of countries and dates) <input checked="" type="checkbox"/> NO			
21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.			
The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.			
Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF APPLICANT (Owner(s))		SIGNATURE OF APPLICANT (Owner(s))	
Dr. Gordon Cisar			
NAME (Please print or type)		NAME (Please print or type)	
Dr. Gordon Cisar			
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE	DATE
Senior Project Leader, HRW Research	5/12/98		

Exhibit A.
Origin and Breeding History of Hondo

Hondo was an F3 derived single plant selection from the cross W84-179 (S/W SEL X BR) / W81-171 (Mesa Mother-line) /5/ Sturdy / Hawk /4/ Vona /3/ NDD63 / CO652643 // Centurk. The cross was made in 1990 and the plant selection based upon plant height, fertility and the absence of leaf rust was made in Berthoud, Colorado in 1993. The resulting F4 plant row was tested in preliminary yield trials in 1994. Hondo has been tested as a pure-line in replicated trials in 1995, 1996, and 1997. These replicated trials represent a broad geographic area in the Hard Winter Wheat region.

In 1995, 44 head-rows were planted in Berthoud, Colorado. Twelve rows with uniform appearance were individually harvested and planted as an initial Breeders Seed increase in Berthoud, Colorado in 1996. In 1997, a .6 acre Breeders Seed increase was grown in Loveland, Colorado. This increase produced 2200 pounds of Breeders Seed.

Hondo has been uniform and stable since 1995. Less than 0.8% of the plants were rogued from the Breeders Seed increase in 1996. Approximately 70% of the rogued variant plants were taller height wheat plants (8 to 15 cm), 5% were awnletted wheat plants, and 15% were green plant color at boot stage. Up to 1% variant plants may be encountered in subsequent generations.

9800262

Exhibit B.
Statement of Distinctness

Hondo is most similar to the hard red winter wheat 'Newton'. However, it can be easily distinguished by the following morphological characteristics:

- Hondo has a straight peduncle (Berthoud, Colorado 1995, 1996). Newton is described as having a wavy peduncle (Crop Registration #601).
- Hondo has a oblique shoulder shape on the glume (Berthoud, CO 1995, 1996). Newton has an square shoulder on the glume (Berthoud, CO 1995, 1996).
- Hondo has a midwide glume width (Berthoud, CO 1995, 1996). Newton is described as having a narrow glume width (Crop Registration #601).

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Wheat)

OBJECTIVE DESCRIPTION OF VARIETY
WHEAT (*Triticum* Spp.)

NAME OF APPLICANT(S) HybriTech Seed International, a unit of Monsanto Co.	FOR OFFICIAL USE ONLY PVPO NUMBER 9800262
ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) 5912 N. Meridian Street Wichita, Kansas 67204-1699	NAME OR EXPERIMENTAL DESIGNATION Hondo

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in the first box when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized standard may be used to determine plant colors; designate system used.
Please answer all questions for your variety; lack of response may delay progress of your application.

1. KIND:
 1=Common 2=Durum 3=Club 4=Other (specify) _____

2. VERNALIZATION:
 1=Spring 2=Winter 3=Other (specify) _____

3. COLEOPTILE ANTHOCYANIN:
 1=Absent 2=Present

4. JUVENILE PLANT GROWTH:
 1=Prostrate 2=Semi-erect 3=Erect

5. PLANT COLOR (boot stage):
 1 = Yellow-Green 2 = Green 3 = Blue-Green

6. FLAG LEAF (boot stage):
 1 = Erect 2 = Recurved
 1 = Not Twisted 2 = Twisted

7. EAR EMERGENCE:
 Number of Days Earlier Than _____ *
 Number of Days Later Than _____ *
Tomahawk

8. ANTHR COLOR:
 1 = YELLOW 2 = PURPLE

9. PLANT HEIGHT (from soil to top of head, excluding awns):
 cm Taller Than _____ Equal to Tomahawk *
 cm Shorter Than _____ *

* Relative to a PVPO-Approved Commercial Variety Grown in the Same Trial

10. STEM:

A. ANTHOCYANIN

1 1= Absent 2=Present

B. WAXY BLOOM

2 1=Absent 2=Present

C. HAIRINESS (*last internode of rachis*)

2 1=Absent 2=Present

D. INTERNODE (*specify number*)

1 1=Hollow 2=Semi-solid 3=Solid

E. PEDUNCLE

1 2 1=Absent 2=Present

(ALSO peduncle is ERECT)

per phone
conversation
MA# 7/13/99

2 **0** cm Length

11. HEAD (*at Maturity*):

A. DENSITY

2 1=Lax 2=Middense 3= Dense

B. SHAPE

1 1 = Tapering 2= Strap 3 = Clavate 4 = Other (*specify*)

C. CURVATURE

2 1 = Erect 2 = Inclined 3 = Recurved

D. AWNEDNESS

4 1 = Awnless 2 = Apically Awnletted 3 = Awnletted 4 = Awned

12. GLUMES (*at Maturity*):

A. COLOR

1 1 = White 2 = Tan 3 = Other (*specify*)

B. SHOULDER

2 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate

C. BEAK

3 1 = Obtuse 2 = Acute 3 = Acuminate

D. LENGTH

2 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm)

E. WIDTH

2 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm)

13. SEED:

A. SHAPE

1 1 = Ovate 2 = Oval 3 = Elliptical

B. CHEEK

1 1=Rounded 2=Angular

C. BRUSH

2 1=Short 2=Medium 3=Long

1 1 = Not Collared 2 = Collared

D. CREASE

1 1 = Width 60% or less of Kernel
2 = Width 80% or less of Kernel
3 = Width Nearly as Wide as Kernel

1 1 = Depth 20% or less of Kernel
2 = Depth 35% or less of Kernel
3 = Depth 50% or less of Kernel

13. SEED: (continued)

E. COLOR

☒ 3 1 = White 2 = Amber 3 = Red 4 = Other (specify) _____

F. TEXTURE

☒ 1 1=Hard 2=Soft

G. PHENOL REACTION (see instructions):

☒ 0 1 = Ivory 2 = Fawn 3 = Light Brown 4 = Dark Brown 5 = Black

14. DISEASE: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED

<input checked="" type="checkbox"/> 3 Stem Rust (<i>Puccinia graminis</i> f. sp. <i>tritici</i>) Field races	<input checked="" type="checkbox"/> 4 Leaf Rust (<i>Puccinia recondita</i> f. sp. <i>tritici</i>) Field races
<input checked="" type="checkbox"/> 0 Stripe Rust (<i>Puccinia striiformis</i>)	<input checked="" type="checkbox"/> 0 Loose Smut (<i>Ustilago tritici</i>)
<input checked="" type="checkbox"/> 0 Tan Spot (<i>Pyrenophora tritici-repentis</i>)	<input checked="" type="checkbox"/> 0 Flag Smut (<i>Urocystis agropyri</i>)
<input checked="" type="checkbox"/> 0 Halo Spot (<i>Selenophoma donacis</i>)	<input checked="" type="checkbox"/> 0 Common Bunt (<i>Tilletia tritici</i> or <i>T. laevis</i>)
<input checked="" type="checkbox"/> 0 <i>Septoria nodorum</i> (Glume Blotch)	<input checked="" type="checkbox"/> 0 Dwarf Bunt (<i>Tilletia controversa</i>)
<input checked="" type="checkbox"/> 0 <i>Septoria avenae</i> (Speckled Leaf Disease)	<input checked="" type="checkbox"/> 0 Karnal Bunt (<i>Tilletia indica</i>)
<input checked="" type="checkbox"/> 0 <i>Septoria tritici</i> (Speckled Leaf Blotch) Field races	<input checked="" type="checkbox"/> 4 Powdery Mildew (<i>Erysiphe graminis</i> f. sp. <i>tritici</i>) Field races
<input checked="" type="checkbox"/> 0 Scab (<i>Fusarium</i> spp.)	<input checked="" type="checkbox"/> 0 Snow Molds
<input checked="" type="checkbox"/> 0 Black Point (Kernel Smudge)	<input checked="" type="checkbox"/> 0 Common Root Rot (<i>Fusarium</i> , <i>Cochliobolus</i> and <i>Bipolaris</i> spp)
<input checked="" type="checkbox"/> 0 Barley Yellow Dwarf Virus (BYDV)	<input checked="" type="checkbox"/> 0 Rhizoctonia Root Rot (<i>Rhizoctonia solani</i>)
<input checked="" type="checkbox"/> 2 Soilborne Mosaic Virus (SBMV) Field	<input checked="" type="checkbox"/> 0 Black Chaff (<i>Xanthomonas campestris</i> pv. <i>translucens</i>)
<input checked="" type="checkbox"/> 2 Wheat Yellow (Spindle Streak) Mosaic Virus Field	<input checked="" type="checkbox"/> 0 Bacterial Leaf Blight (<i>Pseudomonas syringae</i> pv. <i>syringae</i>)
<input checked="" type="checkbox"/> 4 Wheat Streak Mosaic Virus (WSMV) Field	<input type="checkbox"/> Other (specify) _____
<input type="checkbox"/> Other (specify) _____	<input type="checkbox"/> Other (specify) _____
<input type="checkbox"/> Other (specify) _____	<input type="checkbox"/> Other (specify) _____
<input type="checkbox"/> Other (specify) _____	<input type="checkbox"/> Other (specify) _____

15. INSECT: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE SPECIFY BIOTYPE (where needed)

<input checked="" type="checkbox"/> 1	Hessian Fly (<i>Mayetiola destructor</i>)	<input type="checkbox"/>	Other (specify) _____
<input type="checkbox"/> 0	Stem Sawfly (<i>Cephus</i> spp.)	<input type="checkbox"/>	Other (specify) _____
<input type="checkbox"/> 0	Cereal Leaf Beetle (<i>Oulema melanopa</i>)	<input type="checkbox"/>	Other (specify) _____
<input type="checkbox"/> 0	Russian Aphid (<i>Diuraphis noxia</i>)	<input type="checkbox"/>	Other (specify) _____
<input type="checkbox"/> 0	Greenbug (<i>Schizaphis graminum</i>)	<input type="checkbox"/>	Other (specify) _____
<input type="checkbox"/> 0	Aphids		_____

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

APR 10 1963

0208-1000-0000
RECEIVED

9800262

Exhibit D.
Additional Description of Hondo

Hondo is a Hard Red Winter Wheat bred and developed by Agripro Seeds, Inc. Hondo is a medium height semidwarf wheat with medium maturity and good straw strength. Hondo is tolerant to Powdery mildew and Leaf rust, and has intermediate resistance to Stem rust. Milling and baking characteristics are good.

Juvenile growth habit is semi-erect. Seedling anthocyanin is present. Plant color at boot stage is blue green. Auricle anthocyanin and auricle hairs are present. Flag leaf at boot stage is erect and twisted. Waxy bloom is present on the head, stem and flag leaf sheath. Anther color is yellow. Head shape is tapering and awned. Glumes are glabrous, medium in width and medium in length with oblique shoulders and acuminate beaks. Seed shape is ovate. Brush hairs are medium in size. Seed crease depth is shallow and width is narrow. Seed cheeks are rounded.

Hondo is best adapted to Colorado, Nebraska, Kansas and the continuous crop areas of Texas and Oklahoma.

9800262

AGRIPRO WHEAT
HARD RED WINTER WHEAT

YEAR: 1997

FLOUR/WHEAT QUALITY										BAKING QUALITY									
YEAR-LOC		WHT		FIR		FIR		NHD		ASH		MIXOCRAM				CRUMB			
												PK	PK	HT	TOL	ABS	MIX	LOAF	OVER
14%mb	14%mb	PROT	PROT	14%mb	R	%	R					min	N.U.	mm	R	%	R	cc	R
W95-210																			
97-SK	12.0	10.5	3	77	70.9	4	.388	5.00	4.8	1089	4	60.0	4	5.00	3	685	4	3	43
96-GK	13.9	12.6	4	88	68.7	5	.430	4.50	5.0	1337	3	63.0	4	4.50	3	880	7	4	45
95-GK	12.8	11.3	5	80	70.1	3	.000	4.00	5.0	1162	5	63.0	5	4.00	3	615	6	4	53
AVERAGE	12.9	11.5	4.0	82	69.9	4.0	.409	4.50	4.9	1196	4.0	62.0	4.3	4.50	3.0	727	5.7	3.7	47
HAWK																			
97-SK	11.1	10.0	4	70	72.2	3	.422	4.00	5.0	1148	3	59.0	5	4.00	1	620	5	6	48
96-GK	13.6	12.5	4	64	73.4	2	.456	4.50	5.0	1224	4	63.0	4	4.50	3	1020	5	3	42
95-GK	12.1	10.7	6	62	69.8	4	.000	5.00	4.8	1299	4	62.0	6	5.00	1	750	5	4	50
AVERAGE	12.3	11.1	4.7	65	71.8	3.0	.439	4.50	4.9	1224	3.7	61.3	5.0	4.50	1.7	797	5.0	4.3	46
RATINGS: 1-2=EXCELLENT 3-4=GOOD 5=ACCEPTABLE 6-7=QUESTIONABLE 8-9=UNACCEPTABLE																			

9800262

Data Summary

Var./Line	Heading	Maturity	Coleoptile	Height	Straw	Leaf Rust	Stem Rust	Powdery Mildew	Hessian fly	WSMV	SBMV	SSMV
W95-210	5	5	4	4	5	3	2	2	8	4	2	4
TOMAHAWK	4	4	4	4	4	3	3	3	8	8	3	4

Data generated in 1995:

Colorado - Yield, Test Wt., Heading, Leaf Rust, Lodge Severity,

Powdery mildew, Hessian fly, Aluminum tolerance (Lab Screen),

Coleoptile length

Goodland, KS - Yield, Test Wt., Lodge Severity

Beloit, KS - Tan Spot

Salina, KS - Yield, Test Wt., Heading, Height, Leaf Rust, Septoria

Everest, KS - Winterkill, Spindle Streak, Soilborne

Saint John, KS - Spindle Streak

Dumas, TX - Test Wt., Shatter, Leaf Rust

Wichita, KS - Leaf Rust, Septoria, Tan Spot

Data generated in 1996:

Colorado - Yield, Test Wt., Heading, Pollination, Maturity, Height,

Leaf Rust (greenhouse screening), Powdery Mildew, Hessian fly,

Aluminum Tolerance (Lab screening)

Imperial, NE - Yield, Test Wt., Lodging

Salina, Everest, KS - Yield, Test Wt. Winterkill, Maturity

Goodland, KS - Yield, Test Wt., Maturity

Goodland, KS (irrigated) - Yield, Test Wt., Lodging, Septoria, Wheat Streak

Garden City, KS - Maturity

Nardin, OK - Yield, Test Wt., Maturity

Dumas, TX - Yield, Test Wt.

Hays, KS - WSMV (Visual screening).

Data generated in 1997:

Colorado - Yield, Test Wt., Heading, Height, Leaf Rust, Lodge Severity,

Powdery mildew, Hessian fly, Aluminum tolerance,

Coleoptile length

Goodland, KS - Yield, Test Wt.

Beloit, KS - Yield, Test Wt., Leaf Rust, Tan Spot

Salina, KS - Yield, Test Wt., Heading, Leaf Rust, Septoria

Quinter, KS - Yield, Test Wt., Leaf Rust, Tan Spot, Lodge Severity

Hugoton, KS - Yield, Test Wt.

Haven, KS - Yield, Test Wt., Lodge Severity, Shatter

Enid, OK - Aluminum Tolerance

Nardin, OK - Heading, Maturity, Leaf Rust, Septoria

Vernon, TX - Leaf Rust

Paxton, NE - Winterhardiness

Geneva, NE - Yield, Test Wt., Leaf Rust, Green Leaf Retention

Note: Rankings in this table represent the average for a given trait on a 1-9 scale where 1 and 9 represent the extremes for the respective traits.

Trait	1	9
Heading	early	late
Maturity	early	late
Coleoptile	long	short
Height	short	tall
Straw Strength	strong	weak
All disease & insect ratings	resistant	susceptible

9800262

Yield Summary Over-years by Region and State

Region	Yield (Bu/A)			1995 Yield (Bu/A)			1996 Yield (Bu/A)			1997 Yield (Bu/A)		
	Locs	W95-210	TOMAHAWK	Locs	W95-210	TOMAHAWK	Locs	W95-210	TOMAHAWK	Locs	W95-210	TOMAHAWK
Continuous	7	52.2	48.4	1	51.8	25.3	3	32.7	33.7	3	71.8	70.8
Irrigated	7	87.8	82.5	1	82.7	107.7	4	81.6	72.8	2	102.6	89.3
Dryland	5	66.8	62.6	1	72.0	58.1	1	61.7	53.0	3	66.7	67.3
State												
Colorado	3	105.8	106.5	1	82.7	107.7	1	118.5	114.6	1	116.1	97.2
Kansas	12	63.2	57.3	2	61.9	41.7	4	45.3	39.6	6	75.5	74.2
Nebraska	2	70.1	68.9	-	-	-	1	88.6	87.4	1	51.6	50.4
Oklahoma	1	34.5	34.0	-	-	-	1	34.5	34.0	-	-	-
Texas	1	63.1	50.9	-	-	-	1	63.1	50.9	-	-	-
Overall	19	69.2	64.7	3	68.8	63.7	8	74.3	67.9	8	77.6	74.1

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) HybriTech U.S., a unit of Monsanto Company	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER W95-210	3. VARIETY NAME 'Hondo'
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) 5912 N. Meridan Street Wichita, Kansas 67204-1699	5. TELEPHONE (include area code) 316-755-1250	6. FAX (include area code) 316-755-0072
7. PVPO NUMBER 9800262		
8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		

9. Is the applicant (individual or company) a U.S. national or U.S. based company? ☒ YES ☐ NO
If no, give name of country10. Is the applicant the original owner? ☐ YES ☒ NO If no, please answer one of the following:

a. If original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. national(s)?

☐ YES ☐ NO If no, give name of country

b. If original rights to variety were owned by a company(ies), is(are) the original owner(s) a U.S. based company?

☒ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (if needed, use reverse for extra space):

*Please see following page.

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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Exhibit E.
Statement of the Basis of Applicant's Ownership

The variety for which Plant Variety Protection is hereby sought was developed by Dr. John Moffatt, an employee of Agripro Seeds, Inc. By agreement between employees and Agripro Seeds, Inc., all rights to any invention, discovery, or development made by the employee while employed by Agripro Seeds, Inc., were assigned to Agripro Seeds, Inc., with no rights of any kind pertaining to 'Hondo' being retained by the employees.

By contractual agreement the variety 'Hondo' was purchased from Agripro Seeds, Inc. in June of 1996 and is currently owned by HybriTech Seed International, Inc.

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